

PATENT  
Serial No. 09/995,467  
Amendment in Reply to Final Office Action of July 20, 2005

IN THE CLAIMS

Please amend claims 1-6 and 11-14 as follows:

1 1. (Currently Amended) A radio communication system having a  
2 communication channel comprising a plurality of paths between a  
3 transmitter having a plurality of antennas and a receiver having at  
4 least one antenna, wherein the transmitter comprises:

5 path characterisation ~~characterization~~ means for determining  
6 at least one transmission property of each path of said plurality  
7 of paths,

8 data categorisation ~~categorization~~ means for determining and  
9 assigning a data quality category to a set of data for  
10 transmission, said data categorization means being adapted to  
11 assign different categories to different segments of the set of  
12 data from an application; and

13 mapping means responsive to said data ~~path characterisation~~  
14 characterization means and said data ~~categorisation~~ ~~categorization~~  
15 means for determining a mapping to apply the set of data to the  
16 transmitter's plurality of antennas such that the set of data is  
17 transmitted over a path or paths in which the determined data  
18 quality of the set of data corresponds to the at least one